IN THE SPECIFICATION

Replace the following paragraph beginning at page 2, line 4 and ending at page 2, line 15 with the following rewritten paragraph:

U.S. Patents No. ~~5,833,048~~ **4,833,048** and No. 2,715,778 propose a secondary battery using an organic compound with disulfide bonds as an electrode material. This organic sulfur compound is most simply represented by the formula: M^+-$^-$S-R-S$^-$—M^+, where R represents an aliphatic or an aromatic organic group, S represents sulfur, and M^+ represents a proton or metal cation. The compound bonds together by an S-S bond through an electrochemical oxidation reaction to give a polymer with a structure of M^+-$^-$S-R-S-S-R-S-S-R-S$^-$—M^+. Thus-produced polymer returns to the original monomers by an electrochemical reduction reaction. This reaction is applicable to a charge/discharge reaction in secondary batteries.